

Crime Lab Improvement**FY2003 Request: \$65,900**
Reference No: 35882**AP/AL:** Appropriation**Project Type:** Renovation and Remodeling**Category:** Public Protection**Location:** Anchorage Areawide**Contact:** Kenneth E. Bischoff**Election District:** Anchorage Areawide**Contact Phone:** (907)465-4336**Estimated Project Dates:** 07/01/2002 - 06/30/2003**Brief Summary and Statement of Need:**

This request is for \$65.9 GF Match that is needed to fulfill the 25% match requirement (\$416.7 total) for a \$1,250.0 federal grant awarded in FY2001 for the Crime Lab Improvement Program. This was included in the department's original GF Match request in FY2002 but was not funded during the 2001 session.

Funding:

| | FY2003 | FY2004 | FY2005 | FY2006 | FY2007 | FY2008 | Total |
|-----------|----------|--------|--------|--------|--------|--------|----------|
| G/F Match | \$65,900 | | | | | | \$65,900 |
| Total: | \$65,900 | \$0 | \$0 | \$0 | \$0 | \$0 | \$65,900 |

| | | | |
|--|--|---|---|
| <input checked="" type="checkbox"/> State Match Required | <input checked="" type="checkbox"/> One-Time Project | <input type="checkbox"/> Phased Project | <input type="checkbox"/> On-Going Project |
| 25% = Minimum State Match % Required | | <input type="checkbox"/> Amendment | <input type="checkbox"/> Mental Health Bill |

Operating & Maintenance Costs:

| | <u>Amount</u> | <u>Staff</u> |
|----------------------------------|---------------|--------------|
| Total Operating Impact: | 0 | 0 |
| One-Time Startup Costs: | 0 | |
| Additional Estimated Annual O&M: | 7,625 | 0 |

Prior Funding History / Additional Information:

Sec 1, Ch 135, SLA 2000, Page 18, Line 19-20 (amended Sec 44c, Ch 61, SLA 2001, Page 94, Lines 26-30); Sec 1, Ch 61, SLA 2001, Page 23, Lines 24-25.

FY2003 project description:

This capital project requests only the remaining required \$65.9 GF Match for a \$1,250.0 federal crime lab improvement project grant.

Original FY2002 project description:

This capital project provides funding for replacing forensic analysis equipment, training, contracting DNA analysis with private laboratories, facility and equipment repairs, and remodeling the autopsy area in the Scientific Crime Detection Laboratory in Anchorage. The \$1,250.0 in federal funds will be used for replacing equipment, training, contracting DNA analysis with private laboratories, and repairs. The \$143.7 GF match appropriated in Chapter 61, SLA 2001, page 23, line 24 along with the \$207.1 appropriated in Chapter 135, SLA 2000, page 18, line 19 is being used as part of the 25% federal funds match and specifically for the DNA analysis area remodel.

PROJECT NEED STATEMENT**Crime Lab Improvement Program Federal Grant - (\$1,250.0 Federal and \$416.7 GFM)**

The U.S. Department of Justice awarded the State of Alaska \$1,250.0 for replacement forensic analysis equipment, training, contracting DNA analysis with private laboratories, and facility and equipment repairs.

Training \$52.5

Criminalists and Latent Fingerprint Examiners will attend conference workshops and educational seminars to receive training in the latest technology in fingerprints, DNA, breath and blood alcohol, firearms, and tire impressions. Training to be done at the Alaska Crime Lab will be contracted for bloodstain screening, physical matching, and microscopy of trace evidence.

Equipment for Forensic Analysis \$1,005.6

New equipment will be purchased to replace aging or worn out laboratory equipment, i.e., scanning electron microscope, microspectrophotometer, gas chromatographs, microscopes, digital imaging equipment, fume hoods, 310 Genetic Analyzer, optical comparators, photo processor, light source system, and Laboratory Information Management System.

Supplies \$86.1

Various DNA analysis kits and supplies will be purchased along with standard reference material.

Contracting DNA analysis with private laboratories \$136.0

Unknown suspect DNA case samples will be sent to a private laboratory for analysis.

Equipment and Facility Repairs \$35.7

The Fourier Transform Infrared (FTIR) microscope and the firearm range backstop will be repaired. Flooring in Firearms, Fingerprints, and the Trace screening room will be changed from carpet to tile to address biohazard concerns.

DNA Analysis/Autopsy Area Remodel \$416.7

\$143.7 GFM Sec 1, Ch 61, SLA 2001

\$207.1 GFM Sec 1, Ch 135, SLA 2000

\$65.9 GFM Requested in FY2003 (This project)

Since 1991 the State Medical Examiner's Office occupied the 600 square foot autopsy area in the back of the Alaska Scientific Crime Detection Laboratory. The Department of Health and Social Services (DHSS) built a new Medical Examiner and Public Health Laboratory facility that was completed in January 2001. The Crime Laboratory is remodeling the autopsy space to house the DNA unit. This remodeled area will provide adequate laboratory space for the analysis of DNA samples, which includes space for the extraction, amplification, typing, and report writing of forensic casework and convicted offender samples. The remodeled area has been designed to meet the requirements for a DNA facility set forth in the FBI's Quality Assurance Standards for Forensic DNA Testing Laboratories (Section 6). The facility design provides adequate security and minimizes contamination. The design allows amplified DNA product to be generated, processed, and maintained in a room separate from the evidence examination, DNA extractions, and PCR set-up areas as required by national DNA guidelines. Other overcrowded laboratory sections will utilize the four areas of the Scientific Crime Detection Laboratory vacated by the DNA unit when it moves to the back of the Crime Laboratory in late FY2002.

DOCUMENTATION OF ESTIMATED CAPITAL COST

Crime Lab Improvement

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The Alaska Scientific Crime Detection Laboratory received a Crime Laboratory Improvement Program (CLIP) grant in the amount of \$1,250.0 from the National Institute of Justice in State FY2001. This grant requires 25% matching funds from the State of Alaska (\$416.7). The Crime Laboratory will utilize this federal grant in a two-year project to purchase new laboratory equipment to replace aging and outdated equipment, purchase supplies for DNA analysis, provide training to the Criminalists and Latent Fingerprint Examiners, to contract with a private laboratory to perform DNA analysis on non-suspect criminal case samples for entry into the national DNA data base.

In FY2001, the Scientific Crime Detection Laboratory received \$207.1 general funds for CIP project "Crime Lab Equipment Replacement, under Sec 1, Ch 135, SLA 2000, page 18, lines 19-20. This appropriation was renamed "Crime Lab Equipment Replacement & Remodel" under Sec 44c, Ch 61, SLA 2001, page 94, lines 26-30 to allow the appropriation to be used as part of the match requirement for this project. In FY2002, the Scientific Crime Detection Laboratory received \$143.7 general fund match for CIP project "Crime Lab Improvement Program" under Sec 1, Ch 61, SLA 2001, page 23, lines 24-25, as part of the GF match requirement for the CLIP grant. The remaining \$65.9 required for the CLIP grant's 25% matching funds is being requested in the FY2003 capital budget.

The majority of this capital project (\$1,315.9) will be for the purchase of replacement forensic analysis equipment, training, contracting DNA analysis with private laboratories, and facility and equipment repairs.

Training \$52.5

Equipment for Forensic Analysis \$1,005.6

DNA Analysis Supplies \$86.1

Contracting DNA Analysis with Private Laboratories \$136.0

Equipment and Facility Repairs \$35.7

Autopsy Remodel \$350.8

The Department of Transportation and Public Facilities is handling the advertisement, award, and management of the autopsy area remodel project. The design phase (\$65.2) includes the design, pre-award audit, regulatory reviews, advertisement and award of professional services. The construction phase (\$285.6) includes the architectural, mechanical, electrical, construction administration, internal concurrent review, support services, and change order / contingency reserves.

SUMMARY OF CAPITAL BUDGET REQUEST

| | |
|------------------|--|
| \$1,250.0 | CLIP federal grant awarded in FY2001 |
| <u>\$416.7</u> | Matching funds required for \$1,250,000 federal grant |
| \$1,666.7 | |
| (\$207.1) | FY01 CIP funding provided as match (Ch135, SLA 2000, P18, L19) |
| (\$1,250.0) | FY02 CIP Federal Funds (Ch61, SLA 2001, P23, L24) |
| <u>(\$143.7)</u> | FY02 CIP GF Match (Ch61, SLA 2001, P23, L24) |
| \$65.9 | FY03 Capital Request (This project) |

ANALYSIS OF ESTIMATED OPERATION COSTS

After remodeling is completed, there should be no additional operating costs.

IDENTIFICATION OF ALTERNATIVES CONSIDERED

Lease the additional space necessary. This would require space separate from the existing Alaska Scientific Crime Detection Laboratory which would impact from an efficiency standpoint and would be more expensive than the Crime Lab's operating budget could sustain.